



PATENT  
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In re Patent of: Susan Lyons *et al.*

CPA of Application No. 09/296,031

Filed: April 21, 1999

For: Diagnosis and Treatment of  
Neuroectodermal Tumors

Examiner: Shin-Lin Chen

Group Art Unit: 1633

PRELIMINARY AMENDMENT

Prior to examination, please amend this application as follows:

In the specification:

After the title, please substitute the following first paragraph:

--This application is a continued prosecution application of U.S. Application 09/296,031 (filed April 21, 1999) which is a continuation-in-part of U.S. Application 08/774,154 (filed December 26, 1996) now U.S. Patent 5,905,027 which claims the benefit of U.S. Provisional Application 60/009,293 (filed December 27, 1995) all of which are hereby incorporated by reference in their entirety.--

In the claims:

Please cancel claims 15-31 without prejudice or disclaimer.

Please add claims 32-49 as follows:

--32. A method of detecting a neuroectodermal tumor in a patient comprising:  
(a) adding chlorotoxin to a patient tissue sample; and  
(b) measuring the binding of chlorotoxin in the tissue sample wherein the presence of binding is indicative of the presence of the neuroectodermal tumor.

33. The method of claim 32 wherein the neuroectodermal tumor is selected from the group consisting of glioma, meningioma, ependymomas, medulloblastoma, neuroblastoma, glioblastoma, ganglioma, pheochromocytoma, melanoma, Ewing's sarcoma, small cell lung carcinoma, peripheral primitive neuroectodermal tumors and metastatic brain tumors.

34. The method of claim 32 wherein a high level of binding when compared to normal tissue indicates the presence of the neuroectodermal tumor.